

**DOCKET NO. 130694.02701**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re application of:** Artemis G. Hatzigeorgiou, *et. al.*    **Confirmation No.:** 1574

**Serial No.:** 10/564,707

**Group Art Unit:** 1635

**Filed:** June 30, 2006

**Examiner:** Richard A. Schnizer

**Title:**            **METHODS AND SYSTEMS FOR IDENTIFYING MICRO-RNA  
TARGETS AND SYNTHESIZING NOVEL MICRO-RNAS AND USES OF  
THE SAME**

**Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**FILED VIA EFS-WEB: September 22, 2011**

**REPLY AND AMENDMENT**

**Dear Sir:**

This reply and amendment is being filed in response to the outstanding Official Action dated June 1, 2011, in connection with the above-identified patent application. **The period to respond is extended by petition and payment of the appropriate fee provided herewith.** Applicants respectfully request entry of the following amendments and withdrawal of the pending rejections upon reconsideration.

Amendments to the claims begin on Page 2.

A Remarks section begins on Page 18.